ELSEVIER

Journal of Organometallic Chemistry 649 (2002) 303–305

Journal of Organometallic Chemistry

www.elsevier.com/locate/jorganchem

Contents of Volume 649

Regular Papers

Synthesis of functional derivatives of the $[3,3'\text{-}Co(1,2\text{-}C_2B_9H_{11})_2]^-$ anion
I.B. Sivaev, Z.A. Starikova, S. Sjöberg, V.I. Bregadze 1

Synthesis and reactivity of transition metal complexes containing halogenated boryl ligands
S. Aldridge, R.J. Calder, R.E. Baghurst, M.E. Light, M.B. Hursthouse 9

Synthesis and crystal structure of highly soluble ansa-titano- and zirconocene dichloride complexes $[Me_2Si(\eta^5\text{-}C_5H_2(SiMe_3)_2]_2MCl_2$ (M = Ti, Zr)
B. Douziech, R. Choukroun, C. Lorber, B. Donnadieu 15

Alkynethiolate ligands in the syntheses of iron carbonyl derivatives. Crystal structure of $[(\eta^5\text{-}C_5H_5)Fe(CO)_2(SC{\equiv}CSiMe_3)]$
E. Delgado, B. Donnadieu, S. García, F. Zamora 21

Synthesis of di- and trisilanes with potentially chelating substituents
J. Belzner, U. Dehnert, D. Schär, B. Rohde, P. Müller, I. Usón 25

The reaction of $[H_4Ru_4(CO)_{12}]$ with 1-penten-3-yne: dimerization and trimerization through the triple bonds
F.J. Zuno-Cruz, G. Sánchez-Cabrera, M.J. Rosales-Hoz, H. Nöth 43

Cyclopentadienyl, indenyl, and fluorenyl complexes of sodium with 15-crown-5
T. Kähler, U. Behrens, S. Neander, F. Olbrich 50

Synthesis, characterization, and reactivity of half-sandwich Ru(II) complexes containing phosphine, arsine, stibine, and bismutine ligands
E. Becker, C. Slugovc, E. Rüba, C. Standfest-Hauser, K. Mereiter, R. Schmid, K. Kirchner 55

Acetonitrile activation in di-iron μ-carbyne complexes: synthesis and structure of the cyanomethyl complex $[Fe_2(\mu\text{-}CNMe_2)(\mu\text{-}CO)(CO)(CH_2CN)(Cp)_2]$
V.G. Albano, L. Busetto, F. Marchetti, M. Monari, V. Zanotti 64

$C(sp^3)$–H···O and $C(sp^2)$–H···O hydrogen bonds in acyclic- and cyclic-organotellurium carboxylates
P.C. Srivastava, S. Bajpai, R. Lath, C. Ram, S. Bajpai, R.J. Butcher, M. Zimmer, M. Veith 70

Reactivity of Me_3M (M = Al, Ga, In) with benzylamine to form the dimers, $[Me_2MN(H)CH_2Ph]_2$, and the hexamers, $[MeAlNCH_2Ph]_6$ and $[MeGaNCH_2Ph]_6$: molecular structures of *trans*-$[Me_2MN(H)CH_2Ph]_2$ and $[MeAlNCH_2Ph]_6$
E.K. Styron, C.H. Lake, D.H. Powell, L.K. Krannich, C.L. Watkins 78

Synthesis of 'three-petal' carbocyclic systems based on *s-cis*-diferrocenyltrienes
E.I. Klimova, M. Martínez García, T. Klimova, C. Alvarez Toledano, R. Alfredo Toscano, L. Ruíz Ramírez 86

Synthesis and characterisation of new platinum ethynyl dimers and polymers with pendant ferrocenyl groups
N.J. Long, A.J.P. White, D.J. Williams, M. Younus 94

Rydberg spectra of bis(η^6-benzene)chromium derivatives: Gas-phase photoabsorption study of bis(η^6-1,2,4-trimethylbenzene)chromium and bis(η^6-1,2,4,5-tetramethylbenzene)chromium
S.Y. Ketkov, G.K. Fukin, L.N. Zakharov, J.C. Green, G. Clancy 100

New insights into the reaction of *t*-butylhydroperoxide with dichloro- and dimethyl(dioxo)molybdenum(VI)
M. Groarke, I.S. Gonçalves, W.A. Herrmann, F.E. Kühn 108

X-ray crystal structures of novel platinum(II) and palladium(II) complexes of dialkyl phosphonated phosphines
G. Guerrero, P.H. Mutin, F. Dahan, A. Vioux 113

Attachment to manganese or cobalt of a bulky tri(organosilyl)methyl ligand containing an NMe_2 or an OMe donor group
S.S. Al-Juaid, C. Eaborn, S.M. El-Hamruni, P.B. Hitchcock, J.D. Smith, S.E. Sözerli Can 121

EXAFS investigation of metal organic synthesis tools
W. Hörner, H. Bertagnolli 128

Dicationic triple-decker complexes with a bridging boratabenzene ligand
A.R. Kudinov, D.A. Loginov, Z.A. Starikova, P.V. Petrovskii 136

Complexation of *N*-heterocyclic silylenes to Pd(0): formation of highly labile homoleptic complexes $Pd[\overline{Si(^tBuNCH_2CH_2N^tBu)}]_4$ and $Pd[\overline{Si(^tBuNCHCHN^tBu)}]_3$
W.A. Herrmann, P. Härter, C.W.K. Gstöttmayr, F. Bielert, N. Seeboth, P. Sirsch 141

Coordination chemistry of tin: Part III. The crystal structure and thermal behavior of dipotassium dimethyl-tetrafluoro-stannate dihydrate, $K_2[(CH_3)_2SnF_4]\cdot 2H_2O$
I. Abdelhalim Ahmed, G. Kastner, H. Reuter, D. Schultze 147

Synthesis and crystal structures of Group 6 metal carbonyl complexes containing S-rich bis(pyrazol-1-yl)methane ligands
L.-F. Tang, W.-L. Jia, Z.-H. Wang, J.-T. Wang, H.-G. Wang 152

Syntheses and structural characterization of some mono- and di-*p*-nitrophenyl[3]ferrocenophanes: X-ray structure of [3]ferrocenophane, 3-*p*-nitrophenyl[3]ferrocenophane, and 3,4′-bis-(*p*-nitrophenyl)[3]ferrocenophane; DFT calculations on ferrocene derivatives
O. Kadkin, C. Näther, W. Friedrichsen 161

Alkyne oligomerization catalyzed by molybdenum(0) complexes
G.A. Ardizzoia, S. Brenna, G. LaMonica, A. Maspero, N. Masciocchi 173

Syntheses of the $B_{(8)}$-hydroxy- and $B_{(8,8')}$-dihydroxy-derivatives of the bis(1,2-dicarbollido)-3-cobalt(1-)ate ion by its reductive acetoxylation and hydroxylation: molecular structure of $[8,8'\text{-}\mu\text{-}CH_3C(O)_2{<}(1,2\text{-}C_2B_9H_{10})_2\text{-}3\text{-}Co]^0$ zwitterion determined by X-ray diffraction analysis
J. Plešek, B. Grüner, J. Báča, J. Fusek, I. Císařová 181

Synthese von $[(\eta^5\text{-}C_5H_5)_2Ti(Cl)(C{\equiv}CSiMe_3)]Ni(CO)$ und dessen Reaktionsverhalten gegenüber Phosphiten: die Festkörperstruktur von $(CO)_2Ni[P(OC_6H_4CH_3\text{-}2)_3]_2$
E. Meichel, T. Stein, J. Kralik, G. Rheinwald, H. Lang 191

Synthesis, characterisation and molecular structure of $[Rh(COE)_2(acac)]$ (COE = cyclooctene, $\eta^2\text{-}C_8H_{14}$), an important starting material for the preparation of rhodium catalyst precursors
J.M. Burke, R. Benjamin Coapes, A.E. Goeta, J.A.K. Howard, T.B. Marder, E.G. Robins, S.A. Westcott 199

A tetrameric copper(I) alkoxide with a π-tethered ligand: 2-allyl-6-methylphenoxocopper(I)
B. Gustafsson, M. Håkansson, G. Westman, S. Jagner 204

Conversion of alkynes to cyclic imides and anhydrides using reactive iron carbonyls prepared from $Fe(CO)_5$ and $Fe_3(CO)_{12}$
M. Periasamy, C. Rameshkumar, A. Mukkanti 209

Synthesis and complexation of a new facultative tridentate S_2Te donor ligand $MeS(CH_2)_3Te(CH_2)_3SMe$: crystal structures of $[Rh(Cp^*)(S_2Te)][PF_6]_2$ and $[PtCl(S_2Te)]PF_6$
M. Hesford, W. Levason, S.D. Orchard, G. Reid 214

The first metal complexes of bis(diisopropylamino)carbene: synthesis, structure and ligand properties
K. Denk, P. Sirsch, W.A. Herrmann 219

Novel titana-2,4-cyclopentadienes by 1,1-alkylboration
B. Wrackmeyer, A. Pedall, J. Weidinger 225

From bis(silylamino)tin dichlorides via di(1-alkynyl)-bis(silylamino)tin to new heterocycles by 1,1-organoboration
B. Wrackmeyer, A. Pedall, W. Milius, O.L. Tok, Y.N. Bubnov 232

Silatetrazoline: Eigenschaften und Strukturen cyclischer thermostabiler Tetrazenderivate
H.-W. Lerner, M. Bolte, N. Wiberg 246

The bent metallocene geometries of potassium polyalkyl cyclopentadienyl THF solvates: monosolvated $[(THF)K(\mu\text{-}C_5Me_5)]_n$, disolvated $[(THF)_2K(\mu\text{-}C_5Me_5)]_n$ and the tethered olefin complex $[(THF)K(\mu\text{-}C_5Me_4SiMe_2CH_2CH{=}CH_2)]_n$
W.J. Evans, J.C. Brady, C.H. Fujimoto, D.G. Giarikos, J.W. Ziller 252

Asymmetric addition of diethylzinc to aromatic aldehydes by chiral ferrocene-based catalysts
T.-J. Kim, H.-Y. Lee, E.-S. Ryu, D.-K. Park, C.S. Cho, S.C. Shim, J.H. Jeong 258

Si–C bond cleavage in the reaction of gallium chloride with lithium bis(trimethylsilyl)amide and thermolysis of base adducts of dichloro(trimethylsilyl)amido gallium compounds
B. Luo, V.G. Young Jr., W.L. Gladfelter 268

Synthesis of 1,4-disilacyclohexa-2,5-dienes
J. Yang, I. Guzei, J.G. Verkade 276

Note

Oxidation of primary and secondary alcohols catalyzed by a pentamethylcyclopentadienyliridium complex
K.-i. Fujita, S. Furukawa, R. Yamaguchi 289

Book review 293
Author Index of Volume 649 295
Subject Index of Volume 649 297
Contents of Volume 649 303